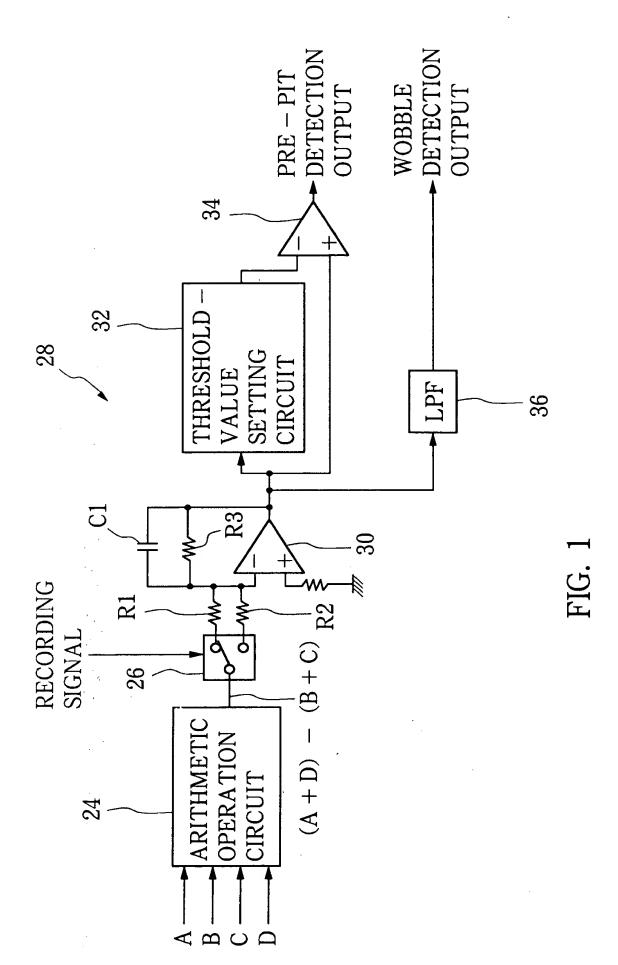


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PILLSBURY WINTHROP LLP, LOS ANGELES
Serial No.: 09/703,548 - Confirmation No. 1990
Notice of Allowance Date: September 9, 2004
Title: OPTICAL DISK RECORDING ......
Attorney Name: Roger R. Wise
Tel.: (213) 488-7100 Docket No.: 51270-245664
Sheet 2 of 9

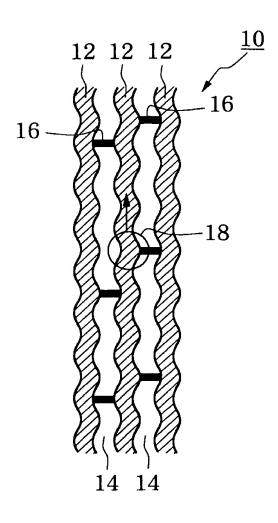


FIG. 2

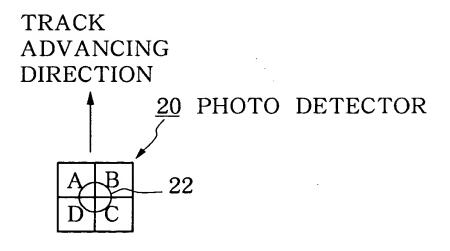


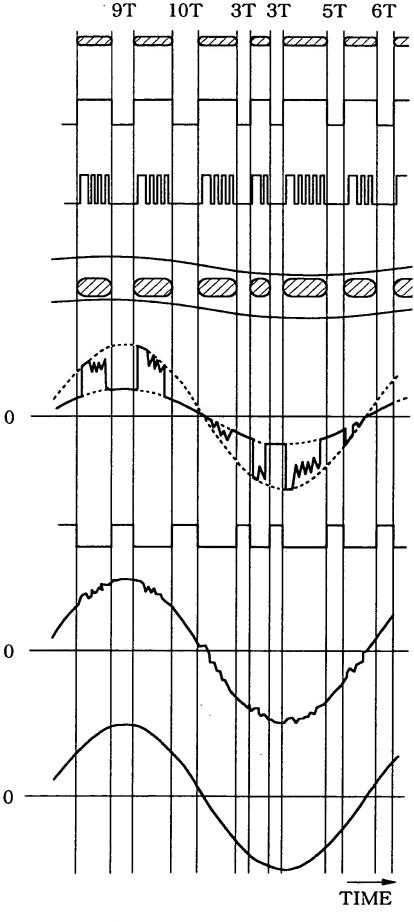
FIG. 3

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Title: OPTICAL DISK RECORDING .....
Attorney Name: Roger R. Wise
Tel.: (213) 488-7100 Docket No.: 51270-245664

Sheet 3 of 9



- (b) RECORDING SIGNAL
- (c) LASER DRIVE SIGNAL
- (d) PIT FORMED
- (e) PUSH PULL SIGNAL (A + D) - (B + C)
- (f) GAIN OF
  GAIN VARIATION
  CIRCUIT
- (g) NORMALIZED PUSH – PULL SIGNAL
- (h) OUTPUT OF LOW - PASS FILTER (WOBBLE SIGNAL)



10T 11T 14T 5T 14T 9T

FIG. 4



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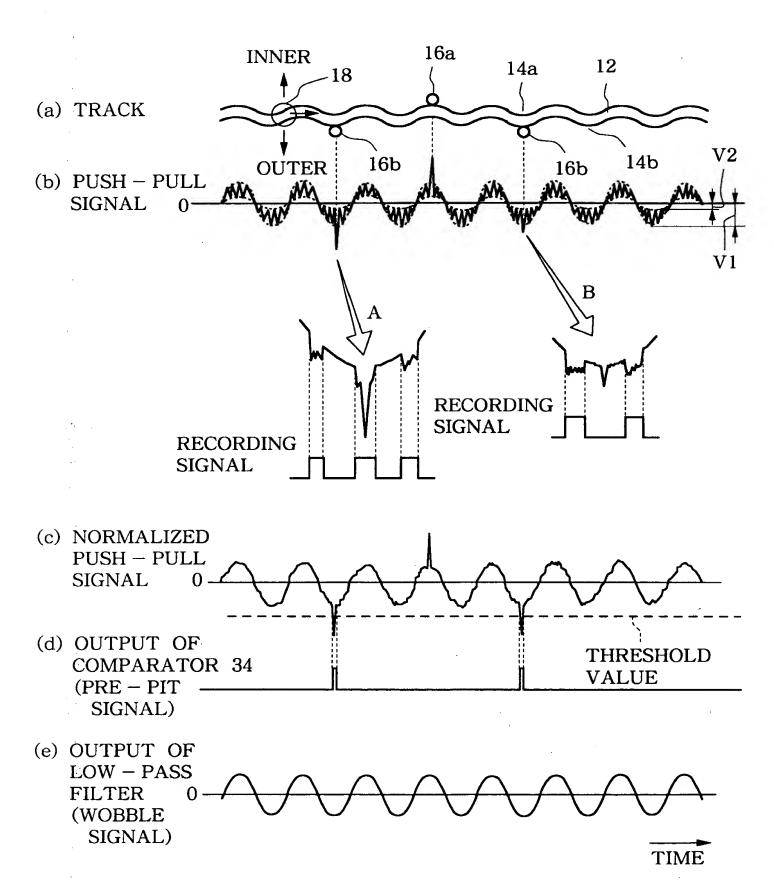


FIG. 5



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Sheet 5 of 9

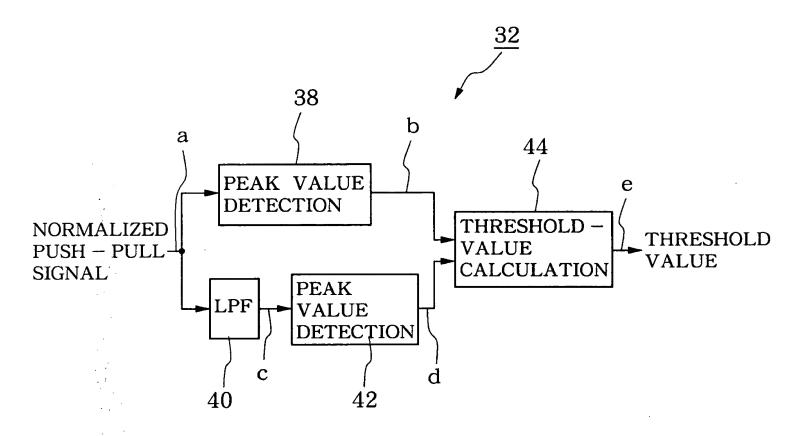


FIG. 6

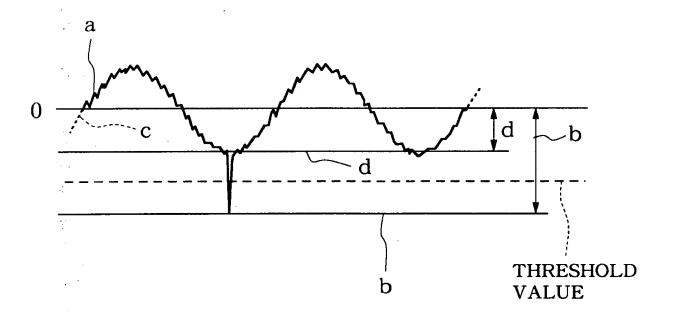


FIG. 7

48

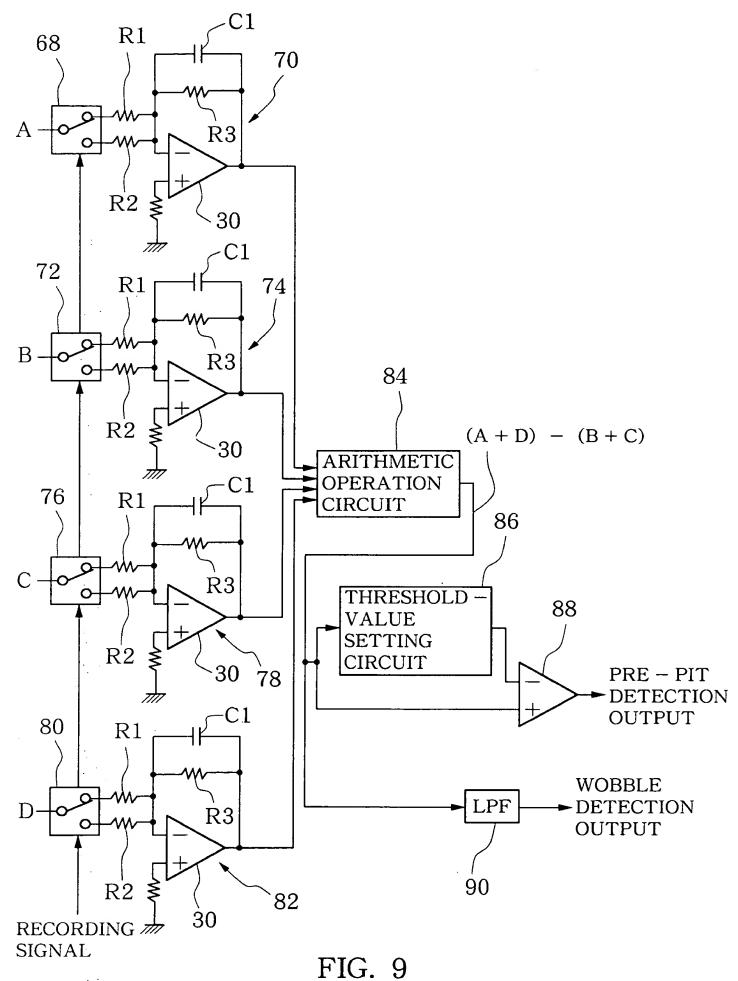
R1

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WOBBLE

DETECTION
OUTPUT ► DETECTION PRE - PIT OUTPUT 58 THRESHOLD -VALUE SETTING 99 CIRCUIT LPF 9 (A+D) - (B+C)FIG. 8 ARITHMETIC OPERATION CIRCUIT 54 52 C130 30 **R**2 R1 R250 RECORDING SIGNAL B + C

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Serial No.: 09/703,548 - Confirmation No. 1990
Notice of Allowance Date: September 9, 2004
Title: OPTICAL DISK RECORDING ......
Attorney Name: Roger R. Wise
Tel.: (213) 488-7100 Docket No.: 51270-245664
Sheet 7 of 9





PILLSBURY WINTHROP LLP, LOS ANGELES
Serial No.: 09/703,548 - Confirmation No. 1990
Notice of Allowance Date: September 9, 2004
Title: OPTICAL DISK RECORDING .....
Attorney Name: Roger R. Wise
Tel.: (213) 488-7100 Docket No.: 51270-245664
Sheet 8 of 9

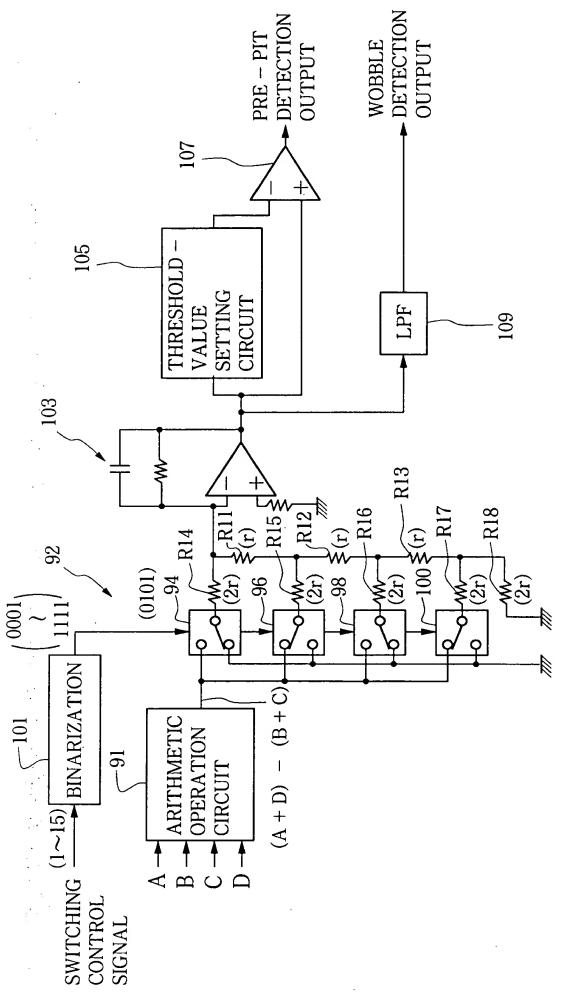


FIG. 10

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Notice of Allowance Date: September 9, 2004
Title: OPTICAL DISK RECORDING .....
Attorney Name: Roger R. Wise
Tel.: (213) 488-7100 Docket No.: 51270-245664
Sheet 9 of 9

HJ		PUSH - PULL	AVERAGE LEVEL OF
OF PIT TO BE FORMED	LASER OUTPUT	SIGNAL WAVEFORM	IN MARK FORMING SECTION
3T			HIGH
4T			
5T			
•••	•••	•••	• • •
14T		MMMM	MOT—TI

FIG. 11